

SEQUENCE LISTING

5 **(1) GENERAL INFORMATION:**

(i) APPLICANT: Jagannadha Sastry, et al.

10 (ii) TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
ELICITING AN IMMUNE RESPONSE

15 (iii) NUMBER OF SEQUENCES: 7

20 (iv) CORRESPONDENCE ADDRESS:

25 (A) ADDRESSEE: Arnold, White & Durkee

30 (B) STREET: P.O. Box 4433

35 (C) CITY: Houston

40 (D) STATE: Texas

45 (E) COUNTRY: USA

50 (F) ZIP: 77210

55 (v) COMPUTER READABLE FORM:

60 (A) MEDIUM TYPE: Floppy disk

65 (B) COMPUTER: IBM PC compatible

70 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

75 (D) SOFTWARE: WordPerfect 5.1

80 (vi) CURRENT APPLICATION DATA:

85 (A) APPLICATION NUMBER: Unknown

90 (B) FILING DATE: September 16, 1992

95 (C) CLASSIFICATION: Unknown

100 (viii) ATTORNEY/AGENT INFORMATION:

105 (A) NAME: Parker, David L.

110 (B) REGISTRATION NUMBER: 32,165

115 (C) REFERENCE/DOCKET NUMBER: UTSC:305/PAR

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(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 512-320-7200

(B) TELEFAX: 512-474-7577

(C) TELEX: Not Applicable

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 15 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Arg Ile Gln Arg Gly Pro Gly Arg Ala Phe Val Thr Ile Gly Lys
1 5 10 15

(3) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 19 amino acids

(B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Cys Arg Ile Lys Gln Ile Ile Asn Met Trp Gln Gly Val Gly Lys Ala
1 5 10 15
Met Tyr Ala

(4) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

5 (A) LENGTH: 24 amino acids

10 (B) TYPE: amino acid

10 (C) STRANDEDNESS: single

15 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Asn Asn Thr Arg Lys Ser Ile Arg Ile Gln Arg Gly Pro Gly Arg Ala
1 5 10 15

20 Phe Val Thr Ile Gly Lys Ile Gly
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25 (5) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

30 (A) LENGTH: 13 amino acids

35 (B) TYPE: amino acid

35 (C) STRANDEDNESS: single

40 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

40 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Glu Gln Leu Trp Val Thr Val Tyr Tyr Gly Val Pro Val
1 5 10

(6) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- 5 (A) LENGTH: 8 amino acids
- 10 (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- 15 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

15 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Arg Ala Phe Val Thr Ile Gly Lys
1 5

(7) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- 25 (A) LENGTH: 13 amino acids
- 30 (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- 35 (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

35 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Thr Lys Gly Pro Gly Arg Val Ile Tyr Ala Thr Gly Gln
1 5 10

(8) INFORMATION FOR SEQ ID NO:7:

5 (i) SEQUENCE CHARACTERISTICS:

10 (A) LENGTH: 13 amino acids

15 (B) TYPE: amino acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

20 (ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Lys Asn
1 5 10